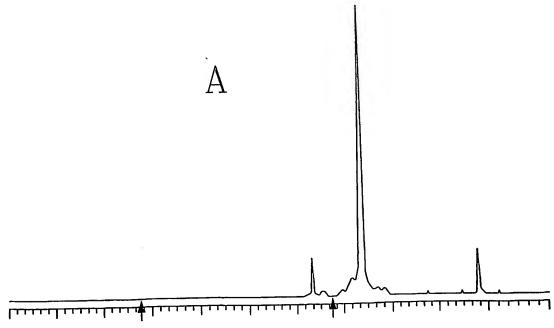
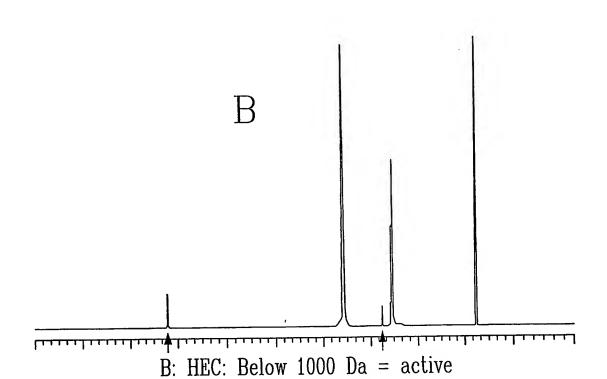


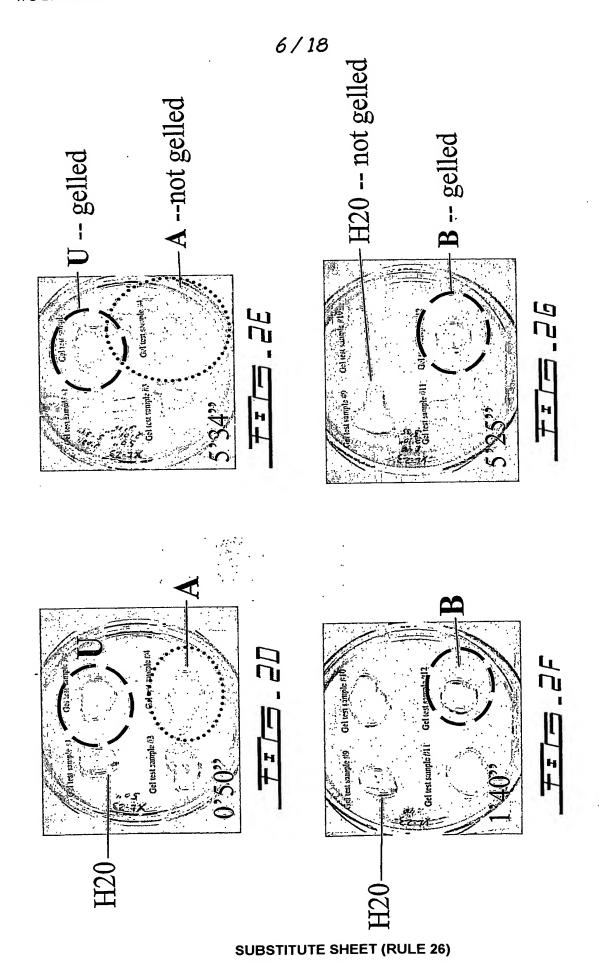
U: Unfractionated HEC = active

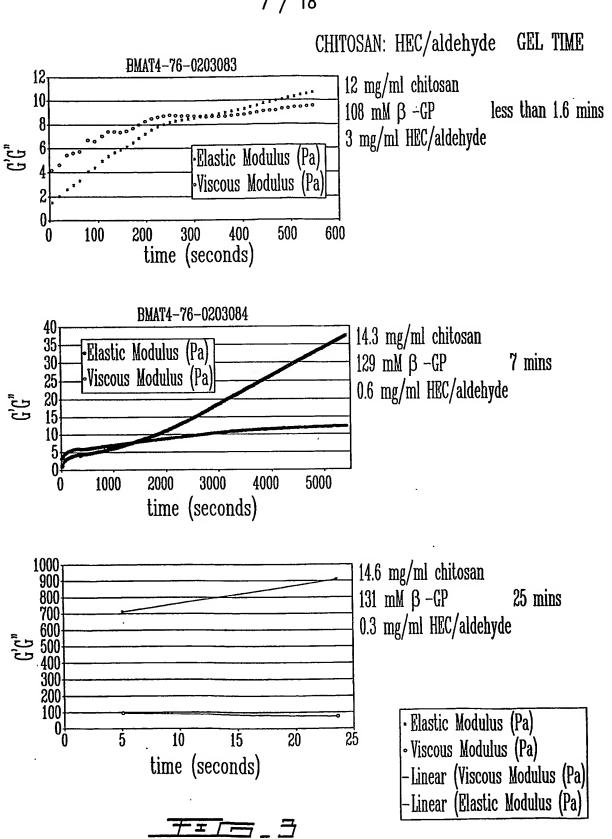


A: HEC: Above 1000 Da = inactive  $\frac{7 = 7 = 2B}{2}$ 

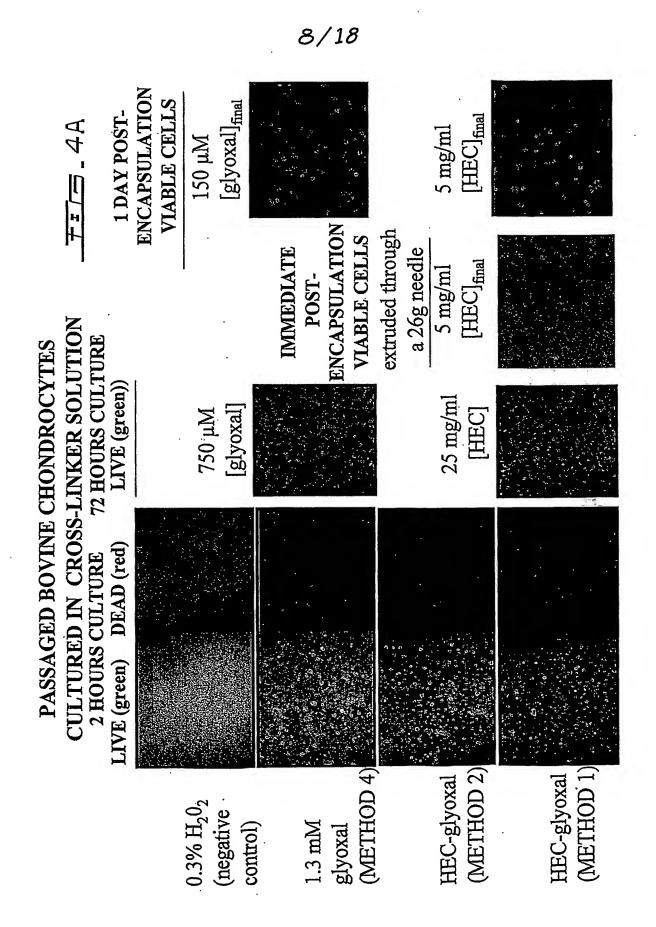
PCT/CA2003/001069



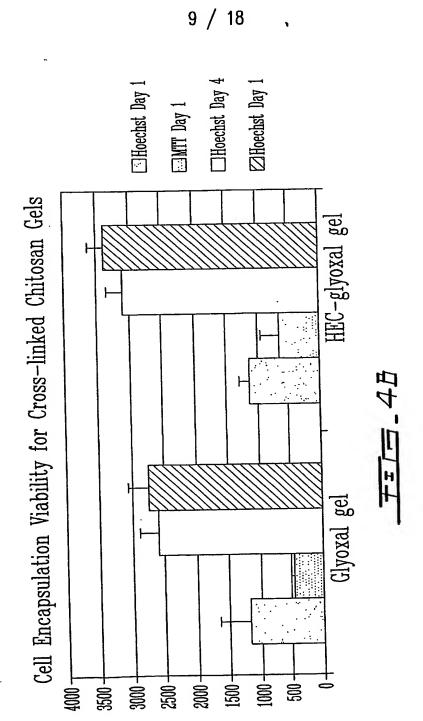




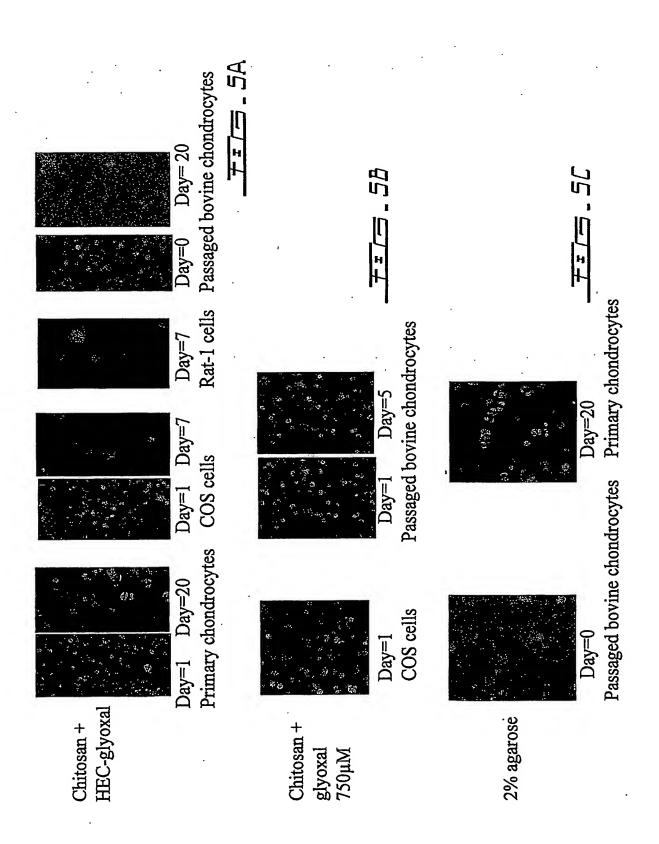
WO 2004/006961



SUBSTITUTE SHEET (RULE 26)



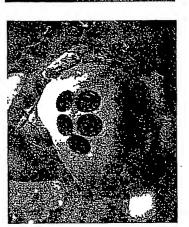
PCT/CA2003/001069



	Compo	Composition of final gel	160
	(v/w) %	Mol/L	Final pH
Protasan UP CL 213 starting	1.35	0.08	pH 6.85
pH 5.5		0.018	
NaOri	0.38	0.018	
Disodium beta - GP	2.06	0.104	
METHOD 1 Fluka	0.4	,	
Hydroxyethyl cellulose-	(~0.001%	. (~ 150µM	
glyoxal 25 mg/ml orginal	glyoxal)	giyoxai)	
concentration			
	Compos	Composition of final gel	
	(\n/\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mathbb{\mtx\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Mol/L	Final pH
Chitosan 83%DDA in 67 mM	1.2	0.073	(room temp) O 6.75
HCI starting pH 4.5			
Disodium beta - GP	2.4	0.113	
METHOD 2 Hydroxyethyl	0.4	(~ 150uM	
cellulose-2500 ppm glyoxai,	dlyoxal)	glyoxal)	
zo rig/iii oigiiiai concentration			
	Compo	Composition of final gel	
	(\n/\n) %	Mol/L	Final pH
Chitosan 83%DDA in 67 mM	1.2	0.073	(room temp) pH 6.75
Disodium beta - GP	2.4	0.113	# + 1 (1)
METHOD 4 glyoxal 750µМ	~ 0.001%	~ 150µM	
Original concentration			

WO 2004/006961

12/18



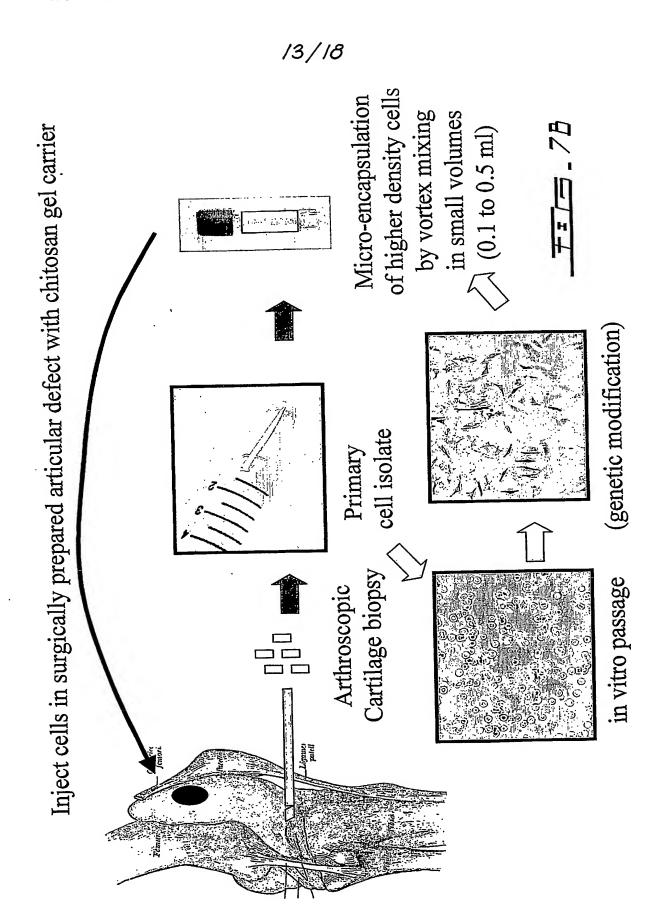
Partial thickness

Full thickness

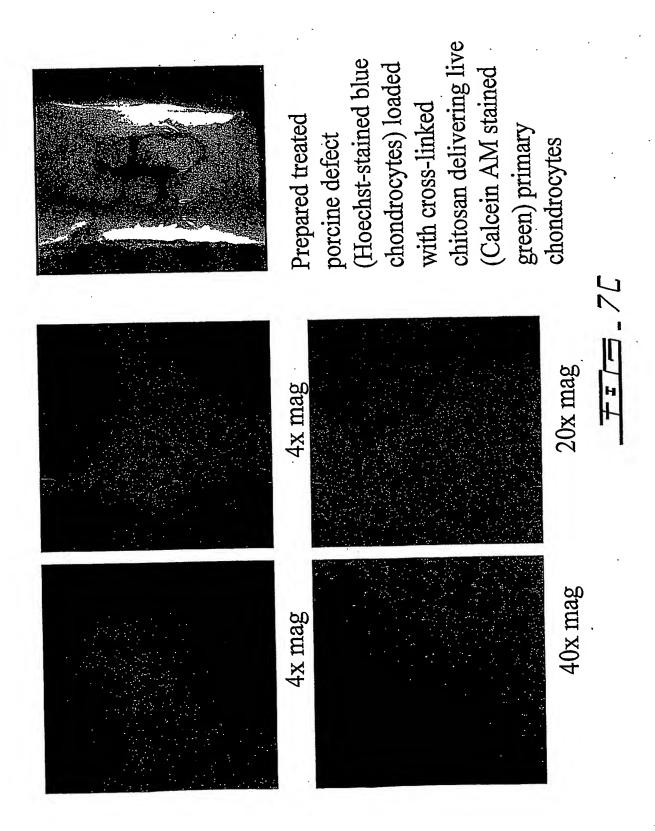


FELS 74

**SUBSTITUTE SHEET (RULE 26)** 

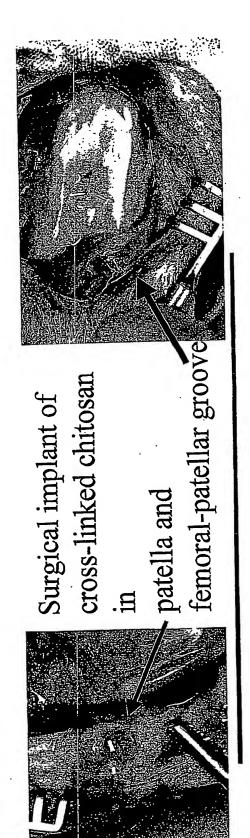


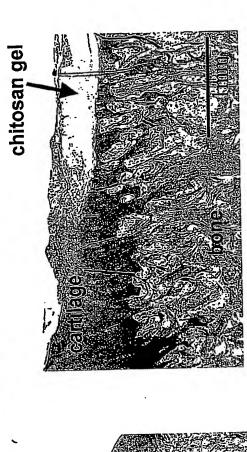
**SUBSTITUTE SHEET (RULE 26)** 



Per of PC: .... 18 JAN 2003

15/18

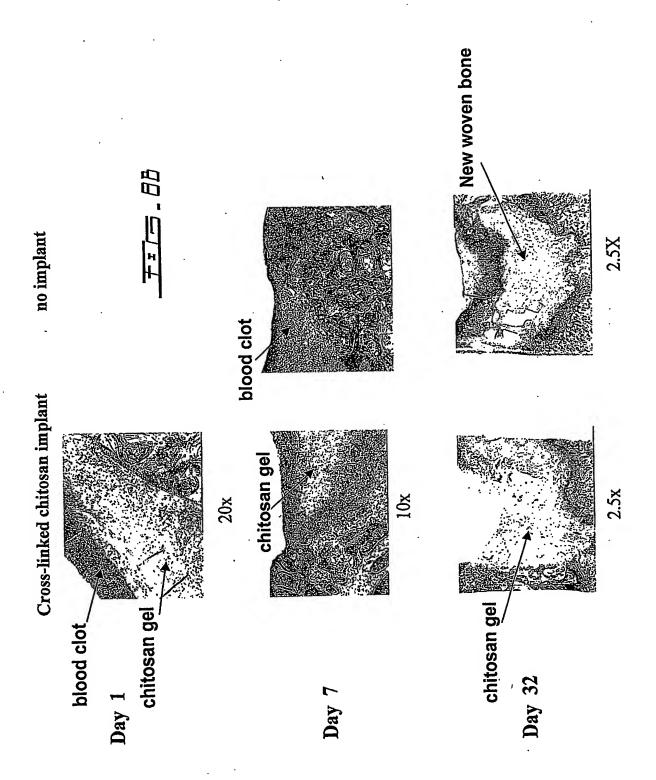


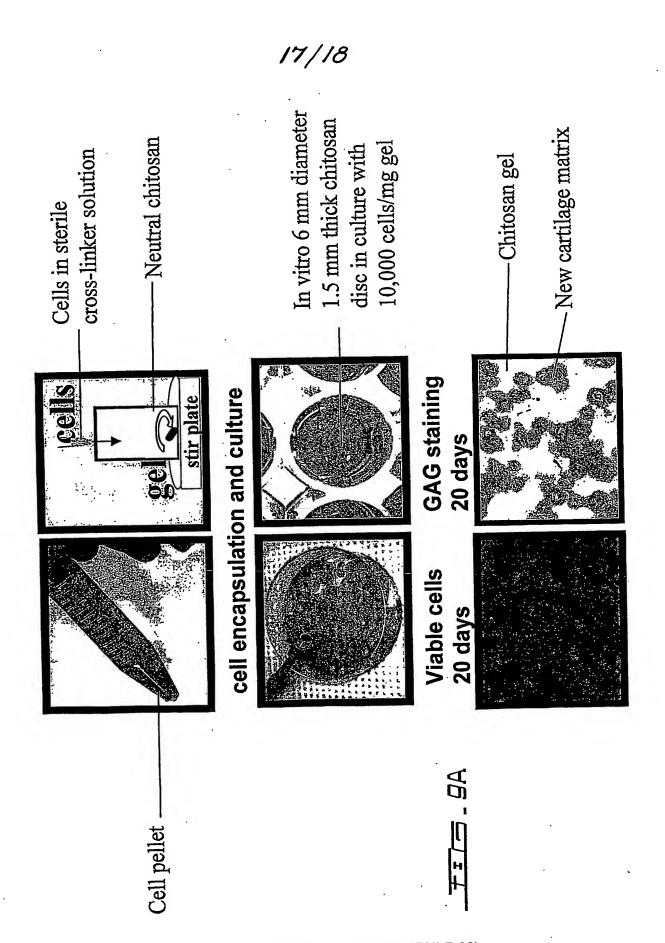




FE/3 BA

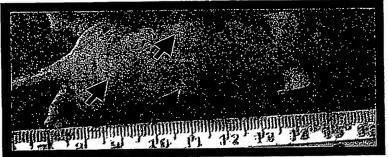
Patellar Implant after 1 day in vivo



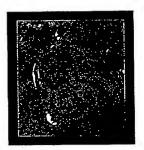


PCT/CA2003/001069

In Vivo implants



Dissected implants with chondrocytes





GAG staining 48 days 63 days

